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ATTORNEY DOCKET NO.: 2002834-0222 (Bacterial Delivery DIV1)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Caplan Examiner: Huynh
Serial No.: 10/728,051 Art Unit: 1644
Filing Date: December 4, 2003
Title: MICROBIAL DELIVERY SYSTEM

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

TRANSMITTAL LETTER

Enclosed are the following documents:

1. Form PTO-1449 (10 pages);
2. Supplemental Information Disclosure Statement (5 pages);
3. Transmittal Letter (1 page);
4. Limited Recognition Under 37 CFR § 10.9(b); and
5. Return Postcard.

If any additional fees are required to be paid or if any overpayment has been made, please charge same to Deposit Account No. 03-1721.

Respectfully submitted,

Charles E. Lyon, D.Phil
Agent for Applicant
Limited Recognition Under 37 CFR §10.9(b)

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Dated: 10/22/04



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Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, Applicant requests consideration of this Information Disclosure Statement.

Type of Statement

The present Information Disclosure Statement is:

An *original* Information Disclosure Statement; or
 A *supplemental* Information Disclosure Statement.

Certificate of Mailing

I certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

10/22/04
Date

Sandra Saccoccia
Signature

Sandra Saccoccia
Name of Person Signing

Compliance with 37 CFR § 1.97

The present Information Disclosure Statement is being filed:

Pursuant to 37 CFR § 1.97(b); no fee or certification is required:

Within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d);

Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application;

Before the mailing of a first Office action on the merits; or

Before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

Pursuant to 37 CFR § 1.97(c) after the dates listed above but before the mailing date of any of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application; Applicant hereby *either*:

Certifies that *either*:

each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual

designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement; or

[] Includes herewith the fee set forth in § 1.17(p),

[] Pursuant to 37 CFR § 1.97(d), after the mailing date of any final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application; Applicant hereby *both*:

[] Certifies that *either*:

[] each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or

[] That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement; and

[] Includes herewith the fee set forth in § 1.17(p).

Content of the Information Disclosure Statement

Applicant hereby makes of record in the above-identified application the reference(s) listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

Applicant includes copies of references as indicated below:

A copy of each cited reference not indicated with an asterisk is included;

Copies of references indicated with an asterisk on the attached form PTO-1449 are not included pursuant to 37 CFR § 1.98(d) because they were previously provided to the United States Patent Office in an Information Disclosure Statement that complies with 37 CFR § 1.98(a)-(c) and was submitted in the following patent application that is relied upon in the present case for an earlier effective filing date under 35 USC § 120:

Serial Number	Filing Date	Status
09/731,375	December 6, 2000	Published

Copies of English translations of one or more non-English references are included.

Applicant hereby makes the following additional information of record in the above-identified application:

Applicant certifies that the Information Disclosure Statement *either*:

Does not contain non-English language citations;

Includes one or more translations of a non-English citation; or

Does contain non-English language citations, of which the following is a concise explanation:

Remarks

The submission of this Information Disclosure Statement should not be construed as a representation that a search has been made.

The submission of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b) .

The submission of this Information Disclosure Statement shall not be construed as a representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 USC §102.

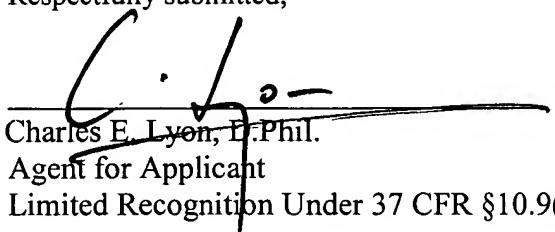
It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited patent(s) and publication(s) has (have) been fully considered by the Patent and Trademark Office during the examination of this application; and
3. The citations for the patent(s) and publication(s) be printed on any patent which issues from this application.

Notwithstanding any statements by Applicants, the Examiner is urged to form his or her own conclusions regarding the relevance of the cited reference(s).

Respectfully submitted,

Dated: 10/22/04


Charles E. Lyon, Jr. Phil.
Agent for Applicant
Limited Recognition Under 37 CFR §10.9(b)

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PTO-1449 (REV. 8-83)	U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET:	IN RE APPLICATION NO.:		
		2002834-0222	10/728,051		
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT: Caplan			
		FILING DATE: December 4, 2003	GROUP: 1644		
U.S. PATENT DOCUMENTS					
Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass
U.S. PATENT APPLICATIONS					
Examiner's Initials:	Serial Number:	Applicant:	Publication Date:	Group:	Art Unit:
FOREIGN PATENT DOCUMENTS					
Examiner's Initials	Document No.	Country	Date	Translation	
				Yes	No
OTHER DOCUMENTS					
Examiner's Initials	Citation (Including Author, Title, Date, Pertinent Pages, Etc.)				
	*Amorim, et al., "Suppression of Airway Eosinophilia by Killed Mycobacterium Vaccae-Induced Allergen-Specific Regulatory T-Cells", <i>Nature Medicine</i> , 8 (6): 625-629, 2002.				
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PTO-1449 (REV. 8-83) SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>	U.S. Department of Commerce Patent and Trademark Office		ATTY. DOCKET: 2002834-0222	IN RE APPLICATION NO.: 10/728,051
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	*Bissonnette, et al., "Inhibition of Mast Cell-Mediated Cytotoxicity by IFN- α/β and - γ^1 ", <i>The Journal of Immunology</i> , 145 : 3385-3390, 1990.			
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
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<p>*Kalliomaki, et al., "Transforming Growth Factor-β in Breast Milk: A Potential Regular of Atopic Disease at an Early Age", <i>J. Allergy Clin. Immunol.</i> 104(6): 1251-1257, 1999.</p>			
<p>*Kleine-Tebbe, et al., "Severe Oral Allergy Syndrome and Anaphylactic Reactions Caused by a Bet v 1-Related PR-10 Protein in Soybean, SAM22", <i>J. Allergy Clin. Immunol.</i> 110: 797-804, 2002.</p>			
<p>*Kowalski, et al., "Mechanisms of Specific Immunotherapy of Allergic Diseases", <i>Allergy</i>, 53: 485-492, 1998.</p>			
<p>*Ledesman, et al., "Cloning, Expression and Characterization of a Novel Four EF-Hand Ca^{2+} - Binding Protein from Olive Pollen with Allergenic Activity", <i>FEBS Letter</i>, 466: 192-196, 2000.</p>			
<p>*Lee, et al., "Oral Administration of IL-12 Suppresses Anaphylactic Reactions in a Murine Model of Peanut Hypersensitivity", <i>Clinical Immunology</i>, 101(2): 220-228, 2001.</p>			
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<p>*Li, et al., "A Murine Model of Peanut Anaphylaxis: T- and B-Cell Responses to a Major Peanut Allergen Mimic Human Responses", <i>J. Allergy Clin. Immunol.</i> 106: 150-158, 2000.</p>			
<p>*Li, et al., "Novel Approaches for the Treatment of Food Allergy", <i>Current Opinion in Allergy and Clinical Immunology</i>, 2: 273-278, 2002.</p>			
<p>*Li, et al., "Engineered Recombinant Peanut Protein and Heat-Killed Listeria Monocytogenes Coadministration Protects Against Peanut-Induced Anaphylaxis in a Murine Model", <i>The Journal of Immunology</i>, 170: 3289-3295, 2003.</p>			
<p>*Li, et al., "Strain-Dependent Induction of Allergic Sensitization Caused by Peanut Allergen DNA Immunization in Mice", <i>The Journal of Immunology</i>, 162: 3045-3052, 1999.</p>			
<p>*Lombardero, et al., "cDNA Sequence Analysis of the Main Olive Allergen, Ole e I", <i>Clinical and Experimental Allergy</i>, 24: 765-770, 1994.</p>			
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<p>*Lorentz, et al., "Human Intestinal Mast Cells Produce IL-5 in Vitro Upon IgE Receptor Cross-Linking and In Vivo in the Course of Intestinal Inflammatory Disease" <i>Eur. J. Immunol.</i> 29: 1496-1503, 1999.</p>			
<p>*Melen, et al., "Molecular Cloning of Per a 1 and Definition of the Cross-Reactive Group 1 Cockroach Allergens", <i>J. Allergy Clin. Immunol.</i> 103: 859-864, 1999.</p>			
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<p>*Moneo, et al., "Isolation and Characterization of a Major Allergen from the Fish Parasite Anisakis Simplex", <i>J. Allergy Clin. Immunol.</i> 106: 177-182, 2000.</p>			
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<p>*Mosmann, et al., "Th1 and Th2 Cells: Different Patterns of Lymphokine Secretion Lead to Different Functional Properties", <i>Ann. Rev. Immunol.</i> 7: 145-173, 1989.</p>			
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<p>*Pastorello, et al., "The Major Allergen of Sesame Seeds (<i>Sesamum Indicum</i>) is a 2S Albumin", <i>Journal of Chromatography B</i>, 756: 85-93, 2001.</p>			
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<p>*Ramos, et al., "cDNA Cloning and Expression of Blo t 11, the Blomia Tropicalis Allergen Homologous to Paramyosin", <i>Int. Arch. Allergy Immunol.</i> 126: 286-293, 2001.</p>			
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<p>*Saarne, et al., "Cloning and Characterisation of Two IgE-Binding Proteins, Homologous to Tropomyosin and α-Tubulin, from the Mite <i>Lepidoglyphus Destructor</i>", <i>Int. Arch Allergy Immunol.</i> 130: 258-265, 2003.</p>			
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EXAMINER	DATE CONSIDERED
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